In re Application of

Venita I. DeAlmeida et al.

Serial No.: 10/077,065

Filed: 15 February 2002

For: TREATMENT INVOLVING DKK-1 OR

ANTAGONISTS THEREOF

Group Art Unit: 3736

Examiner: Unassigned

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner of Patents, Washington, D.C. 20231 on

Emily Dutra

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents Washington, D.C. 20231

Sir:

Applicants submit herewith patents, publications or other information (attached hereto and listed on the attached revised Form PTO-1449) of which they are aware, which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56.

This Information Disclosure Statement is filed in accordance with the provisions of:

[x]37 CFR §1.97(b)

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within three months of the filing date of the application other than a continued prosecution application under 37 CFR §1.53(d); or

within three months of the date of entry of the national stage of a PCT application as set SEP 1 3 2002 forth in 37 CFR§1.491, or

before the mailing of the first Office action on the merits; or

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before the mailing of the first Office action after the filing of a request for a continued examination under 37 CFR §1.114.

[]37 CFR §1.97(c)

> by the applicant after the period specified in 37 CFR §1.97(b), but prior to the mailing date of any of a final action under 37 CFR §1.113, or a notice of allowance under 37 CFR $\S 1.311$, or an action that otherwise closes prosecution in the application, and is accompanied by either the fee set forth in 37 CFR §1.17(p) or a statement as specified in 37 CFR §1.97(e), as checked below.

[]37 CFR §1.97(d)

after the period specified in CFR §1.97(c), and is accompanied by the fee set forth in 37 CFR §1.17(p) and a statement as specified in 37 CFR §1.97(e), as checked below.

[If either of boxes 37 CFR §1.97(c) or 37 CFR §1.97(d) is checked above, the following statement under 37 CFR

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1.4.

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§1.97(e) may need to be completed.]

- [] 37 CFR §1.97(e) Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this information disclosure statement.
- [] 37 CFR §1.704(d) Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and the communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of this information disclosure statement. Therefore, in accordance with the provisions of 37 CFR §1.704(d), the filing of this information disclosure statement will not be considered a failure to engage in reasonable efforts to conclude prosecution under 37 CFR §1.704.
- [] The U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 07-0630 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement under 37 CFR §1.17(p). Any deficiency or overpayment should be charged or credited to this deposit account.

A list of the patent(s) or publication(s) is set forth on the attached revised Form PTO-1449 (Modified).

A copy of the items on PTO-1449 is supplied herewith.

[] BLAST results enclosed:

The undersigned also wishes to bring to the attention of the Examiner BLAST results of computerized alignments of the against sequences contained in the nucleotide and protein databases. The BLAST results are provided in paper form and are identified as reference "BLAST Results A-1- A-()" (nucleotide) and "BLAST Results B-1 - B-()" (protein) on the PTO Form 1449. Applicant requests that these references also be considered and that the Form 1449 be initialed to indicate the Examiner's consideration of the references.

A concise explanation of relevance of the items listed on PTO-1449 is:

- [x] not given
- [] given for each listed item
- [] given for only non-English language listed item(s) [Required]
- [] in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references.

In accordance with 37 CFR §1.97(g), the filing of this information disclosure statement shall not be construed as a representation that a search has been made.

In accordance with 37 CFR §1.97(h), the filing of this information disclosure statement shall not be construed to

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be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 CFR § 1.56(b).

In the event that the Office determines a fee to be due where none is specifically authorized in this paper, the U.S. Patent and Trademark Office is hereby authorized to charge Deposit Account No. 07-0630 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement under 37 CFR §1.17(p).

Respectfully submitted,

GENENTECH, INC.

By: Yeyer

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		SCLOSURES CITED B	Y APPLICANT	Patent and Trademark Office	Applicant DeAlmeida and Filing Date	Grou	•		
				U.S. PATENT DOCUMENTS	15 Feb 200	2 373	-		
Examiner		 		O.S. PATENT DOCUMENTS	1	<u> </u>			
Initials		Document Number	Date	Name	Class	Subclass	Filing Date		
	1	6,187,991	13.02.01	Soeller et al.					
				FOREIGN PATENT DOCUMENTS		TC			
Examiner Initials		Document Number	Date	PENCEIVED	Class	Subclass	Translation Yes No		
	2	WO 00/18914	06.04.00	PCT SEP 2 0 2002		30	1111		
	3	WO 00/52047	08.09.00	PCT 2002		≥	Fin		
	4	WO 98/46755	22.10.98	PCT TECHNOLOGY CENTER R37		2072			
	5	WO 99/46281	16.09.99	PCT OLNIER R37	00	00			
				OSURES (Including Author, Title, Date, F					
	6	Aikin et al., "Ph Islets of Langerh	osphatidylinos: ans." <u>Biochem.</u>	tol 3-Kinase Signaling to Akt Me & Biophys. Res. Comm. 277:455-46	diates Surviva 1 (2000)	l in Isolate	ed Canine		
]				hosphatidyl:	inositol		
	7	Anai et al., "Altered Expression Levels and Impaired Steps in the Pathway to Phosphatidylinositol 3-Kinase Activation via Insulin Receptor Substrates 1 and 2 in Zucker Fatty Rats." <u>Diabetes.</u> 47:13-23 (Jan 1998)							
	8	Andreasson et al., "Decreased Insulin-Stimulated 3-0-Methylglucose Transport in In Vitro Incubated Muscle Strips from Type II Diabetic Subjects." <u>Acta Physiol. Scand.</u> 142:255-260 (1991)							
VOV	H C	Andreelli et al., "Defective Regulation of Phosphatidylinositol-3-Kinase Gene Expression in Skeletal Muscle and Adipose Tissue of Non-Insulin-Dependent Diabetes Mellitus Patients." <u>Diabetologia</u> . 42:358-364 (1999)							
0	ì	Andreelli et al.,	"Regulation of	Gene Expression During Severe C	aloric Restric	tion: Lack o	of Induction o		
4 2	₹	p85a1pha Phosphat (Non-Insulin-Depe	idylinositol 3- ndent) Diabetes	Kinase mRNA in Skeletal Muscle o	f Patients with -363 (2000)	n Type II			
2002	ED	(Non-Insulin-Dependent) Diabetes Mellitus." <u>Diabetologia</u> . 43:356-363 (2000) Arner et al., "Defective Insulin Receptor Tyrosine Kinase in Human Skeletal Muscle in Obesity and Type 2 (Non-Insulin-Dependent) Diabetes Mellitus." <u>Diabetologia</u> . 30:437-440 (1987)							
	12	Avignon et al., "(Insulin-Resistant 45:1396-1404 (Oct	Type II Diabet	ion of Protein Kinase C in Soleu ic Goto-Kakizaki (GK), Obese/Age	s Muscles and (d, and Obese/Zu	Other Tissue ucker Rats.'	es of " <u>Diabetes.</u>		
			4 ****						
	13	Bafico et al., "No LRP6/Arrow." <u>Nat.</u>	ovel Mechanism <u>Cell. Bio.</u> 3:6	of Wnt Signalling Inhibition Med 83-686 (Jul 2001)	iated by Dickko	opi-l Intera	action with		
		Bafico et al., "No LRP6/Arrow." <u>Nat.</u> Barroso et al., "I	Cell. Bio. 3:6 Dominant Negati	83-686 (Jul 2001) ve Mutations in Human PPARY Asso	ciated with Sev				
	14	Bafico et al., "No LRP6/Arrow." <u>Nat.</u> Barroso et al., "I Diabetes Mellitus	Cell. Bio. 3:6 Dominant Negati and Hypertensi	83-686 (Jul 2001) ve Mutations in Human PPARγ Assoon." Nature. 402:880-883 (Dec 19	ciated with Sev 99)	ere Insulin	n Resistance,		
	14	Bafico et al., "No LRP6/Arrow." Nat. Barroso et al., "I Diabetes Mellitus Barthel et al., "1	Cell. Bio. 3:6 Dominant Negati and Hypertensi	83-686 (Jul 2001) ve Mutations in Human PPARY Asso	ciated with Sev 99) Kinase Akt Indu	ere Insulin	n Resistance,		
10V 0 4 2002	14	Bafico et al., "No LRP6/Arrow." Nat. Barroso et al., "I Diabetes Mellitus Barthel et al., "7 Gene Product, Lept	Cell. Bio. 3:6 Dominant Negati and Hypertensi A Constitutivel tin, in 3T3-L1	83-686 (Jul 2001) ve Mutations in Human PPARγ Assoron." Nature. 402:880-883 (Dec 19 y Active Version of the Ser/Thr	riated with Sev 99) Kinase Akt Indu 8):3559-3562 (1	ere Insulin aces Product 1997)	Resistance,		
	14 15 16	Bafico et al., "No LRP6/Arrow." Nat. Barroso et al., "I Diabetes Mellitus Barthel et al., "7 Gene Product, Lept Bell, Graeme., "Mo 1991)	Cell. Bio. 3:6 Dominant Negati and Hypertensi A Constitutivel in, in 3T3-L1 Decular Defect	83-686 (Jul 2001) ve Mutations in Human PPARY Associon." Nature. 402:880-883 (Dec 19) y Active Version of the Ser/Thr Adipocytes." Endocrinology. 138(s in Diabetes Mellitus." Diabete sion of the Insulin-Responsive G	Ciated with Sev 99) Kinase Akt Indu 8):3559-3562 (1 s. (Lilly Lectu	ere Insulin aces Product 1997) are 1990) 40	n Resistance, tion of the ob		
	14 15 16	Bafico et al., "No LRP6/Arrow." Nat. Barroso et al., "I Diabetes Mellitus Barthel et al., "Z Gene Product, Lept Bell, Graeme., "Mo 1991) Berger et al., "De Fasting." Nature.	Cell. Bio. 3:6 Dominant Negati and Hypertensi A Constitutivel tin, in 3T3-L1 Decular Defect ecreased Expres 340:70-72 (Jul tal., "Islet"	83-686 (Jul 2001) ve Mutations in Human PPARY Associon." Nature. 402:880-883 (Dec 19) y Active Version of the Ser/Thr Adipocytes." Endocrinology. 138(s in Diabetes Mellitus." Diabete sion of the Insulin-Responsive G	clated with Sev 99) Kinase Akt Indu 8):3559-3562 (1 s. (Lilly Lectu lucose Transpor	rere Insulin uces Product 1997) ure 1990) 40 tter in Diak	n Resistance, tion of the ob 0:413-422 (Apr betes and		
	14 15 16 17	Bafico et al., "Not LRP6/Arrow." Nat. Barroso et al., "I Diabetes Mellitus Barthel et al., "A Gene Product, Lept Bell, Graeme., "Mo 1991) Berger et al., "De Fasting." Nature. Bernal-Mizrachi et Hypertrophy, Hyper Bjornholm et al.,	Cell. Bio. 3:6 Dominant Negati and Hypertensi A Constitutivel tin, in 3T3-L1 Decular Defect ecreased Expres 340:70-72 (Jul tal., "Islet plasia, and Hy "Insulin Recep	83-686 (Jul 2001) ve Mutations in Human PPARγ Assoron." Nature. 402:880-883 (Dec 19 y Active Version of the Ser/Thr Adipocytes." Endocrinology. 138(s in Diabetes Mellitus." Diabete sion of the Insulin-Responsive G 1989) Cell Expression of Constitutively	Fiated with Sev 99) Kinase Akt Indu 8):3559-3562 (1 5. (Lilly Lectu lucose Transport 7 Active Akt1/F 108(11):1631-	ces Product 1997) are 1990) 40 ter in Diab KB@ Induces 1638 (Dec 2	n Resistance, tion of the ob 0:413-422 (Apr betes and 6 Striking 2001) 8-Kinase		

Γ	FORM	PTO-1	449		U.S. De	ept. of Commerce	Atty Docket No.	Serial No.	
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	LIST	OF DIS	SCLOSURES CITED BY APPLICANT	[nr .	י פחתם פ • פחתם פ	• •	DeAlmeida and Stewa		
	(U	se seve	eral sheets if necessary)	(JÁE.	2 6 2002 🚡	•	1	Group	
	, -	(**************************************			'on?		15 Feb 2002	C) 3736 ZO	
	OTHER DISCLOSORES Handlading Author, Title, Date, Pertinent Pages, etc.)								
		20	Bodine et al., "Akt/mTOR Pathway is a Crucial Regulator of Skeletal Muscle Hypertrophy and Can Muscle Atrophy In Vivo." Nature Cell Biology. 3:1014-1019 (Nov 2001) Bonadonna et al., "Roles of Glucose Transport and Glucose Phosphorylation in Muscle Insulin Re of NIDDM." Diabetes. 45:915-925 (Jul 1996)						
		21							
-	Borello et al., "Transplacental Delivery of the Wnt Antagonist Frzbl Inhibits Development 22 Paraxial Mesoderm and Skeletal Myogenesis in Mouse Embryos." <u>Development</u> 126:4247-4255								
		23	Carvalho et al., "Impaired Phosphorylation and Insulin-Stimulated Translocation to the Plasma Memb 23 of Protein Kinase B/Akt in Adipocytes from Type II Diabetic Spects." <u>Diabetologia</u> . 43:1107-1115						
		Chalfant et al., "Protein Kinase CO Expression is Increased Upon Different lation of Human Skele 24 Muscle Cells: Dysregulation in Type 2 Diabetic Patients and a Fosible Role to Protein Kinase Insulin-Stimulated Glycogen Synthase Activity." Endocrinology. 14148 (2373-2778 (2000)							
펁		25	Charron and Kahn., "Divergent Adipose Cells In Vivo." J. Bio	Molecula . Chem.	265(14):	7994-8000 (MayO)	PG) CENTAL	ansport in Muscre and	
SH CH	Adipose Cells In Vivo." J. Bio. Chem. 265(14):7994-8000 (May 1993) Chen et al., "Growth Retardation and Increased Apoptosis in Mice with Homozygous Disruption of to Gene." Genes and Development. 15:2203-2208 (2001)								
ECH CENTER 1600/2900	V 0 4		Cho et al., "Insulin Resistanc Akt2 (PKBβ)." <u>Science.</u> 292:172	8-1731 ((Jun 2001)				
	2002	П	Cook et al., "Wingless Inactivates Glycogen Sythase Kinase-3 Via an Intracellular Signalling Pathway Which Involves a Protein Kinase C." <u>EMBO Journal</u> , 15(17):4526-4536 (1996)						
			Cossu and Borello., "What Signaling and the Activation of Myogenesis in Mammals." EMBO Journal. 18(24):6867-6872 (1999)						
		30	Dadke et al., "Elevated Expression and Activity of Protein-Tyrosine Phosphatase 1B in Skeletal Muscle of Insulin-Resistant Type II Diabetic Goto-Kakizaki Rats." <u>Biochem. & Biophys. Res. Comm.</u> 274:583-589 (2000)						
		31	Del Aguila et al., "Muscle Damage Impairs Insulin Stimulation of IRS-1, PI 3-Kinase, and Akt-Kinase in Human Skeletal Muscle." Am. J. Physiol. Endocrinol. Metab. 279:E206-E212 (2000) Derave et al., "Muscle Glycogen Content Affects Insulin-Stimulated Glucose Transport and Protein Kinase						
		32	B Activity." <u>Am. J. Physiol. F</u>	Endocrino	ol. Metab	<u>.</u> 279:E947-E955	(2000)		
		33	Desbois-Mouthon et al., "Insul Cascades Involving GSK-3β Inhi	bition a	and Ras Ad	ctivation." <u>Onco</u>	gene. 20:252-259 (200	1)	
		34	Ding et al., "Differential Reg Bio. Chem. 275(42):32475-32481	(Oct 20	000)				
-		35	Dohm et al., "Decreased Expres Am. J. Physiol, 260:E459-E463	(1991)					
		36	Eldar-Finkelman et al., "Incre C57BL/6J Mice." <u>Diabetes.</u> 48:1	L-5 (Aug	1999)				
		37	Federici et al., "The Common F Human Pancreatic Islets ¹ ." <u>FAS</u>	SEB Journ	<u>nal.</u> 15:2:	2-24 (Jan 2001)			
		38	Fedi et al., "Isolation and Boof Mammalian Wnt Signaling." §	J. Bio. (Chem. 274	(27):19465-19472	(Jul 1999)		
		39	Folli et al., "Insulin Recepto Resistance." <u>Acta Diabetol.</u> 33	or/IRS-1, 3:185-192	/PI 3-Kina 2 (1996)	ase Signaling Sy	RECEIVE	d Induced Insulin	
Ī	Examin	er			F	RECEIVE	Date Cons 6िस् रिय 1 3 201	02	

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FORM	/ PTO-1	449 U.S. Dept. of Commerce	Atty Docket No.	Serial No.
		Patent and Trademark Office	P1872R1	10/077,065
LIST	OF DIS	SCLOSURES CITED BY APPLICANT	Applicant DeAlmeida and Stewart	
(U	Jse sev	eral sheets if necessary)	Filing Date 15 Feb 2002	Group 3736
		OTHER DISCLOS RESIGNATION Author, Title, Date,	Pertinent Pages, etc.)	
	60	Imazu et al., "Hyperinsulinemia for the Development of Hyperter Angeles-Hiroshima Study." <u>Hypertens Res.</u> 24:531-536 (2001)	sion: Data from th	ne Hawaii-Los
	61	Kahn et al., "Differential Regulation of Two Glucose Transporte Insulin-Treated Diabetic Rats." <u>J. Clin. Invest.</u> 84:404-411 (19		ls from Diabetic and
	62	Kario et al., "Hyperinsulinemia and Hemostatic Abnormalities ar Infarcts in Elderly Hypertensive Subjects." J. Am. Coll. Cardio	e Associated with 1. 37(3):871-877	Silent Lacunar Cerebral (Mar 2001)
	63	Kim et al., "Normal Insulin-Dependent Activation of Akt/Proteir Phosphoinositide 3-Kinase, in Muscle in Type 2 Diabetes." <u>J. Cl</u>	Kinase B, with Din. Invest. 104:7	iminished Activation of 33-741 (1999)
	64	Krook et al., "Characterization of Signal Transduction and Gluc Type 2 Diabetic Patients." <u>Diabetes.</u> 49:284-292 (Feb 2000)	ose Transport in S	Skeletal Muscle From
	65	Krook et al., "Insulin-Stimulated Akt Kinase Activity is Reduce Subjects." <u>Diabetes.</u> 47:1281-1286 (1998)	ယ	, 20
110	66	Krupnik et al., "Functional and Structural Diversity of the Hum 238:301-313 (1999)	Ō	
	67	Kupriyanova and Kandror., "Akt-2 Binds to Glut4-Containing Vest Proteins in Response to Insulin." <u>J. Bio. Chem.</u> 274(3):1458-146	4 (Jan 1999)	22 円
	68	Kurowski et al., "Hyperglycemia Inhibits Insulin Activation of Phosphatidylinositol 3-Kinase in Rat Skeletal Muscle." <u>Diabetes</u>	<u>:.</u> 48:1-6 (Mar 19 9	9) م
	69	Loviscach et al., "Distribution of Peroxisome Proliferator-Act: Muscle and Adipose Tissue: Relation to Insulin Action." <u>Diabete</u>	ologia. 43:304-311	(2000)
	70	Maegawa et al., "Impaired Autophosphorylation of Insulin Recept Nonobese Subjects with NIDDM." <u>Diabetes.</u> 40:815-819 (Jul 1991)		
	71	Magun et al., "Expression of a Constitutively Activated Form of Preadipose Cells Causes Spontaneous Differentiation." Endocring	ology. 137(8):3590	-3593 (1996)
	72			
z	73)1)	
NOV 0 4	74			
4 2002	2 75	Nawano et al., "Hyperglycemia Impairs the Insulin Signaling Sto Activations in ZDF Rat Liver." <u>Biochem. & Biophys. Res. Comm.</u>	266:252-256 (1999)	
2	76	Nikoulina et al., "Potential Role of Glycogen Synthase Kinase- Type 2 Diabetes." <u>Diabetes.</u> 49:263-271 (2000)		
	77	Olefsky and Molina., "Insulin Resistance in Man." <u>Diabetes Mel</u> edition, New York:Elsevier Science Publishing Co., Inc., Chapte	er 8, pps. 121-153	(1990)
	78	Olefsky and Saltiel., "PPARY and the Treatment of Insulin Resis 11(9):362-368 (2000)		
	79	Paz et al., "Phosphorylation of Insulin Receptor Substrate-1 (Regulates IRS-1 Function." J. Bio. Chem. 274(40):28816-28822 (IRS-1) by Protein 1999)	
Examir	ner	RECEIVED	ate Considered	RECEIVED
*Exam	niner: In t in con	itial if reference considered, whether or not citation in conformance with MPEP formance and not considered. Include copy of this form with next communication	to applicant.	
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	FOR	M PTO	-1449 U.S. Dept. of Commerce	Atty Docket No.	Serial No.				
	ļ		P Patent and Trademark Office	P1872R1	10/077,065				
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-	LIS	י טר ט	ISCLOSURES CITED BY APPLICANT	DeAlmeida and Stewart					
	(Use se	veral sheets if necessary) JUL 2 6 2002	Filing Date	Group				
•				15 Feb 2002	3736				
			OTHER DISCLOS	Pertinent Pages etc.) -					
			Pedersen et al., "Evidence Against Altered Expression of GLUTI of	r GLUTA in Skolotol	Mugala				
		80	<u> </u>	=	EM				
			Peifer and Polakis., "What Signaling in Oncogenesis and Embryoger	nesis- A Look Outside	the Nucleus."				
		81	Science. 287:1606-1609 (2000)	و بات خشه	30				
			Pinson et al., "An LDL-Receptor-Related Protein Mediates Wnt Sig	malling in Mice." Na	tures 4073935-538				
		82	(Sep 2000)	, 	193 10				
ı			Protein & by Modulation Although College Phosphorylation	and Function of COA	AT/Enhancer-Binding				
ł		83	Protein β by Modulating Akt and Glycogen Synthase Kinase-3." J.	Bio. Chem. 276:1966	19671 (Jun 2001)				
j			Ridgeway et al., "Wnt Signaling Regulates the Function of MyoD a	nd Myogenin, "A. Bio	. Chem.				
Ĭ		84	275:32398-32405 (Oct 2000)		<u> </u>				
ŀ			Rissanen et al., "Risk of Disability and Mortality Due to Overwe	ight in a Fidnash Po	Wation" Br Mod				
ļ		85	<u>J.</u> 301:835-837 (1990)	\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	puration" Br. Med.				
ŀ		 	Ristow et al., "Obesity Associated with a Mutation in a Genetic	Regulator Ofoldinogut	2001 (5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
- 1		86	New England J. of Medicine 339(14):953-959 (Oct 1998)	Regulator displaying	Differentiation."				
			Roessler et al., "The Genomic Structure, Chromosome Location, an	d Analysis of the Wa-	PVVI I				
		87	Inducer Gene as a Candidate for Holoprosencephaly." Cytogenet. C	ell Genet. 89:220-224	2000)				
ŀ			Rommel et al., "Mediation of IGF-1-Induced Skeletal Myotube Hype.		' (/)				
		88	PI(3)K/Akt/GSK3 Pathways." Nature Cell Biology. 3:1009-1013 (Nov	2001)	/mrok and				
ŀ									
		89	Ross et al., "Glycogen Synthase Kinase 3 is an Insulin-Regulated C/EBPα Kinase." Molecular & Cellular Biology. 19(12):8433-8441 (Dec 1999)						
ŀ	•	<u> </u>	Ross et al., "Inhibition of Adipogenesis by Wnt Signaling." <u>Science</u> . 289:950-953 (Aug 2000)						
		90	Aug 2000)						
H			Saad et al., "Modulation of Insulin Receptor, Insulin Receptor Substrate-1, and Phosphatidylinositol						
ĺ		91	3-Kinase in Liver and Muscle of Dexamethasone-Treated Rats. " <u>J. Clin. Invest.</u> 92:2065-2072 (Oct 1993)						
<u> </u>			Saad et al., "Regulation of Insulin Receptor Substrate-1 in Liver and Muscle of Animal Models of						
		92	Resistance." J. Clin. Invest. 90:1839-1849 (Nov 1992)						
		Schmitz-Peiffer et al., "Alterations in the Expression and Cellular Localization of Protein Kir							
耳	i	93	11302 yilles c and b are Associated with insulin Resistance in Skelet	al Muscle of the High	rotein Kinase C i-Fat-Fed Rat."				
ILCH CENTER 1600/2900	-		Diabetes. 46:169-178 (Feb 1997) Semenov et al., "Head Inducer Dickkopf-1 is a Ligand for Wnt Core						
#	VOV	74	11:951-961 (2001)	ceptor LRP6." <u>Curren</u>	t Blology.				
*	_		Shao et al., "Decreased Akt Kinase Activity and Insulin Resistand	05777					
出	0 4		Endocrinol. 167:107-115 (2000)	e in C57BL/KsJ-Lepro	o/db Mice." J				
3	- 2	7	<u>.</u>						
S	2002	m	Diabetes. 40:472-477 (Apr 1991)	eased Levels of Musc	le/Fat Isoform."				
13			Sivitz et al "Regulation of Clusons Whangarante V						
8		97	Sivitz et al., "Regulation of Glucose Transporter Messenger RNA i 340:72-74 (Jul 1989)	n Insulin-Deficient 3	States." <u>Nature.</u>				
⊢			Summers et al "The Pole of Glazza Control Till						
	Summers et al., "The Role of Glycogen Synthase Kinase 3ß in Insulin-Stimulated Glucose Metabol 98 Bio. Chem. 274(25):17934-17940 (Jun 1999)								
F									
Tamai et al., "LDL-Receptor Related RECEIVED Transduction." Nature. 4					:530-535 (Sep 2000)				
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LIST OF DI	SCLOSURES CITED BY APPLICANT	DeAlmeida and Stewart		
(Use se	veral sheets if necessary)	Filing Date	Group	
	- OEME	15 Feb 2002	3736	
	OTHER DISCLOSURES (Including Author, Title, Date,	Pertinent Pages, etc.)		
100	Terauchi et al., "Increased Insulin Sensitivity and Hypoglycaem Phosphoinositide 3-Kinase." <u>Nature Genetics</u> . 21:230-235 (Feb 19	nia in Mice Lacking	the p85α Subunit of	
101	Tian et al., "Post-Transcriptional Regulation of Xwnt-8 Express During Vertebrate Embryonic Development." <u>Development.</u> 126:3371	sion is Required fo -3380 (1999)	r Normal Myogenesis	
102	Toyofuku et al., "Wnt/Frizzled-2 Signaling Induces Aggregation Increased Cadherin-β-Catenin Complex." <u>J. Cell. Bio.</u> 150:225-24	and Adhesion Among 1 (Jul 2000)	Cardiac Myocytes by	
103	Tremblay et al., "Defective Insulin-Induced GLUT4 Translocation is Associated with Alterations in Both Akt/Protein Kinase B and Activities." <u>Diabetes</u> . 50:1901-1910 (Aug 2001)	Atypical Protein	Kinase C (ζ/λ)	
104	Trumper et al., "Integrative Mitogenic Role of Protein Kinase B 921:242-250 (2000)			
105	Tsuda et al., "Hyperinsulinemia ia a Determinant of Membrane Fl Hypertension." <u>Am. J. Hypertens.</u> 14:419-423 (2001)			
106	Tuttle et al., "Regulation of Pancreatic β -Cell Growth and Surv Kinase Aktl/PKB α ." Nat. Med. 7(10):1133-1137 (Oct 2001)			
107	Vogt et al., "Subcellular Distribution of GLUT4 in the Skeletal (Non-Insulin-Dependent) Diabetic Patients in the Basal State.";	Diabetologia. 35:45	66-463 (1992)	
108	Wang et al., "Protein Kinase B/Akt Participates in GLUT4 Transl Cell. Bio. 19(6):4008-4018 (Jun 1999)			
109	Wehrli et al., "Arrow Encodes an LDL-Receptor-Related Protein E Nature. 407:527-530 (Sep 2000)			
110	Willson et al., "Peroxisome Proliferator-Activated Receptor γ ar 70:341-367 (2001)			
	Zierath et al., "Effects of Glycaemia on Glucose Transport in Is with NIDDM: In Vitro Reversal of Muscular Insulin Resistance." [<u>Diabetologia.</u> 37:27	0-277 (1994)	
112	Zierath et al., "Insulin Action and Insulin Resistance in Human 43:821-835 (2000)	Skeletal Muscle."	Diabetologia.	
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